

5 WHAT IS CLAIMED IS:

1. A heat insulation window comprising:

- (a) a pair of outer panes defining an air space therebetween;
- 10 (b) a spacing member disposed between the outer panes which maintain the panes in a spaced-apart relationship, the spacing member having a first and second outer surfaces which are opposed and parallel, and a third outer surface extending between the first and second outer surfaces;
- 15 (c) wherein the spacing member defines a first sealing groove at the junction between the first and third outer surfaces and a second sealing groove at the junction between the second and third outer surfaces;
- (d) a gas-tight seal element contained within the first and second sealing grooves; and
- 20 (e) a metal band parallel to and overlaying the third outer surface, wherein the band comprises edge flanges which fit into the first and second sealing grooves, thereby isolating the third outer surface from the seal element.

2. The window of claim 1 wherein the seal element comprises a butyl adhesive and the metal band comprises a stainless steel foil.

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3. The window of claim 1 wherein the spacing member comprises a central spacer and opposing lateral members, wherein the central spacer separates the opposing lateral members and at least one lateral member comprises means for retaining an interior film.

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